

Substitute for form 1449A/PTO

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 6

Application Number	10/729,510
Filing Date	December 5, 2003
First Named Inventor	William Banning Vail, III
Art Unit	3672
Examiner Name	Thomas Bomar
Attorney Docket Number	WEAT/0527.P1

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
FT	A1	US - 6,837,313	01-04-2005	Hosie, et al.	
	A2	US - 6,832,658	12-21-2004	Keast	
	A3	US - 6,742,584	08-01-2004	Appleton	
	A4	US - 6,732,822	05-11-2004	Slack, et al.	
	A5	US - 6,719,071	04-13-2004	Moyes	
	A6	US - 6,715,430	04-08-2004	Choi, et al.	
	A7	US - 6,688,398	02-10-2004	Pietras	
	A8	US - 6,679,333	01-20-2004	York, et al.	
	A9	US - 6,637,526	10-28-2003	Juhasz, et al.	
	A10	US - 6,819,402	09-16-2003	Amory, et al.	
	A11	US - 6,527,493	03-04-2003	Kamphorst, et al.	
	A12	US - 6,595,288	07-22-2003	Mosing, et al.	
	A13	US - 6,553,825	04-29-2003	Boyd	
	A14	US - 6,540,025	04-01-2003	Scott, et al.	
	A15	US - 6,527,493	03-04-2003	Kamphorst, et al.	
	A16	US - 6,431,626	08-13-2002	Boulligny	
	A17	US - 6,390,190	05-21-2002	Mullins	
	A18	US - 6,387,552	04-09-2002	Scott, et al.	
	A19	US - 6,347,674	02-19-2002	Bloom, et al.	
	A20	US - 6,273,189	08-14-2001	Gissler, et al.	
	A21	US - 6,202,764	03-20-2001	Ables, et al.	
	A22	US - 6,179,055	01-30-2001	Sallwasser, et al.	
	A23	US - 6,181,817	12-19-2000	Gjedebo	
FT	A24	US - 6,089,323	07-18-2000	Newman, et al.	

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Substitute for form 1449A/PTO  <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/729,510</td> </tr> <tr> <td>Filing Date</td> <td>December 5, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>William Banning Vail, III</td> </tr> <tr> <td>Art Unit</td> <td>3672</td> </tr> <tr> <td>Examiner Name</td> <td>Thomas Bomar</td> </tr> <tr> <td>Attorney Docket Number</td> <td>WEAT/0527.P1</td> </tr> </table>		Application Number	10/729,510	Filing Date	December 5, 2003	First Named Inventor	William Banning Vail, III	Art Unit	3672	Examiner Name	Thomas Bomar	Attorney Docket Number	WEAT/0527.P1
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U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FT	A25	US - 6,082,461	07-04-2000	Newman, et al.	
	A26	US - 5,960,881	10-05-1999	Allamon, et al.	
	A27	US - 5,954,131	09-21-1999	Saltwasser	
	A28	US - 5,842,149	11-24-1998	Harrell, et al.	
	A29	US - 5,823,264	10-20-1998	Ringgenberg	
	A30	US - 5,794,703	08-18-1998	Newman, et al.	
	A31	US - 5,772,514	06-30-1998	Moore	
	A32	US - 5,735,351	04-07-1998	Helms	
	A33	US - 5,730,471	03-24-1998	Schulze-Beckinghausen, et al.	
	A34	US - 5,697,442	12-16-1997	Baldrige	
	A35	US - 5,667,011	09-16-1997	Gill, et al.	
	A36	US - 5,588,916	12-31-1996	Moore	
	A37	US - 5,566,772	10-22-1996	Coone, et al.	
	A38	US - 5,461,905	10-31-1995	Penisson	
	A39	US - 5,392,715	02-28-1995	Pelrine	
	A40	US - 5,340,182	08-23-1994	Busink, et al.	
	A41	US - 5,284,210	02-08-1994	Helms, et al.	
	A42	US - 5,272,925	12-28-1993	Henneuse, et al.	
	A43	US - 5,158,213	10-20-1992	George, et al.	
	A44	US - 5,085,273	02-04-1992	Coone	
↓	A45	US - 5,062,756	11-05-1991	McArthur, et al.	
	A46	US - 4,915,181	04-10-1990	Labrosse	
FT	A47	US - 4,909,741	03-20-1990	Schasteen, et al.	


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		Number - Kind Code <sup>2</sup> (if known)			
FT	A48	US - 4,904,119	02-27-1990	Legendre, et al.	
	A49	US - 4,883,125	11-28-1989	Wilson, et al.	
	A50	US - 4,821,814	04-18-1989	Willis, et al.	
	A51	US - 4,778,008	10-18-1988	Gonzalez, et al.	
	A52	US - 4,744,426	05-17-1988	Reed	
	A53	US - 4,681,162	07-21-1987	Boyd	
	A54	US - 4,693,316	09-15-1987	Ringgenberg, et al.	
	A55	US - 4,681,162	07-21-1987	Boyd	
	A56	US - 4,678,031	07-07-1987	Blandford, et al.	
	A57	US - 4,676,310	06-30-1987	Scherbatskoy, et al.	
	A58	US - 4,492,134	01-08-1985	Reinholdt, et al.	
	A59	US - 4,489,794	12-25-1984	Boyadjieff	
	A60	US - 3,947,009	03-30-1976	Nelmark	
	A61	US - 3,915,244	10-28-1975	Brown, deceased	
	A62	US - 3,746,330	07-17-1973	Taciuk	
	A63	US - 3,662,842	05-16-1972	Bromell	
	A64	US - 3,477,527	11-11-1969	Koot	
	A65	US - 3,392,609	07-16-1968	Bartos	
	A66	US - 2,953,406	09-20-1960	Young	
	A67	US - 2,536,458	01-02-1951	Munsinger	
	A68	US - 2,536,458	01-02-1951	Munsinger	
	A69	US - 2,305,062	12-15-1942	Church, et al.	
A70	US - 2,105,885	01-18-1938	Hinderfilter		
FT	A71	US - 1,998,833	04-23-1935	Crowell	

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FT	A72	US - 1,830,625	11-03-1931	Schrock	
	A73	US - 1,825,026	09-29-1931	Thomas	
	A74	US - 1,777,592	10-07-1930	Thomas	
	A75	US - 1,728,136	09-10-1929	Power	
	A76	US - 1,585,069	05-18-1926	Youle	
	A77	US - 1,471,526	10-23-1923	Pickin	
	A78	US - 1,418,766	06-06-1922	Wilson	
	A79	US - 1,077,772	11-04-1913	Weathersby	
	A80	US - 122,514	01-09-1872	Bullock	
	A81	US - 2005/0096846	05-05-2005	Koithan, et al.	
	A82	US - 2004/0144547	07-29-2004	Koithan, et al.	
	A83	US - 2004/0124010	07-01-2004	Galloway, et al.	
	A84	US - 2004/0118614	06-24-2004	Galloway, et al.	
	A85	US - 2004/0112603	06-17-2004	Galloway, et al.	
	A86	US - 2003/0173073	09-18-2003	Snider, et al.	
	A87	US - 2003/0164276	09-04-2003	Snider, et al.	
FT	A88	US - 2002/0170720	11-21-2002	Haugen	
	A89				
	A90				
	A91				
	A92				
	A93				
	A94				
	A95				

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
FT	B1	GB 2 389 130	12-03-2003	Baker Hughes Inc.		
	B2	GB 2 372 271	08-21-2002	Sharp		
	B3	GB 2 324 108	10-14-1998	Harden, et al.		
	B4	GB 2 170 528	08-06-1988	Seabourn		
	B5	GB 1 306 588	03-14-1973	Fox		
	B6	GB 2 388 626	09-24-2003	Smith, et al.		
	B7	GB 2 240 799	08-14-1991	Mine		
	B8	GB 2 223 253	04-04-1990	Arnold, et al.		
	B9	GB 2 345 074	06-28-2000	Pietras		
	B10	WO 2004/022903	03-18-2004	Robichaux, et al.		
	B11	WO 03/006790	01-23-2003	Coon, et al.		
	B12	WO 02/14649	02-21-2002	Hassen		
	B13	WO 00/41487	07-20-2000	Murray		
↓	B14	WO 00/09853	02-24-2000	Reynolds		
	B15	WO 00/04269	01-27-2000	Fincher, et al.		
FT	B16	WO 98/01651	01-15-1998			
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
FT	C1	ALEXANDER SAS-JAWORSKY and J. G. WILLIAMS, Development of Composite Coiled Tubing For Oilfield Services, SPE 26538, Society of Petroleum Engineers, Inc., 1993	
	C2	A. S. JAFAR, H.H. AL-ATTAR, AND I. S. EL-AGELI, Discussion and Comparison of Performance of Horizontal Wells in Bouri Field, SPE 26927, Society of Petroleum Engineers, Inc. 1996	
	C3	G. F. BOYKIN, The Role of A Worldwide Drilling Organization and the Road to the Future, SPE/IADC 37630, 1997	
	C4	M. S. FULLER, M. LITTLER, and I. POLLOCK, Innovative Way To Cement a Liner Utilizing a New Inner String Liner Cementing Process, 1998	
	C5	HELIO SANTOS, Consequences and Relevance of Drillstring Vibration on Wellbore Stability, SPE/IADC 52820, 1999	
	C6	CHAN L. DAIGLE, DONALD B. CAMPO, CAREY J. NAQUIN, RUDY CARDENAS, LEV M. RING, PATRICK L. YORK, Expandable Tubulars: Field Examples of Application in Well Construction and Remediation, SPE 62958, Society of Petroleum Engineers Inc., 2000	
	C7	C. LEE LOHOEFER, BEN MATHIS, DAVID BRISCO, KEVIN WADDELL, LEV RING, and PATRICK YORK, Expandable Liner Hanger Provides Cost-Effective Alternative Solution, IADC/SPE 59151, 2000	
	C8	KENNETH K. DUPAL, DONALD B. CAMPO, JOHN E. LOFTON, DON WEISINGER, R. LANCE COOK, MICHAEL D. BULLOCK, THOMAS P. GRANT, and PATRICK L. YORK, Solid Expandable Tubular Technology - A Year of Case Histories in the Drilling Environment, SPE/IADC 67770, 2001	
✓	C9	MIKE BULLOCK, TOM GRANT, RICK SIZEMORE, CHAN DAIGLE, and PAT YORK, Using Expandable Solid Tubulars To Solve Well Construction Challenges In Deep Waters And Maturing Properties, IBP 27500, Brazilian Petroleum Institute - IBP, 2000	
FT	C10	Coiled Tubing Handbook, World Oil, Gulf Publishing Company, 1993	
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	C12		

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